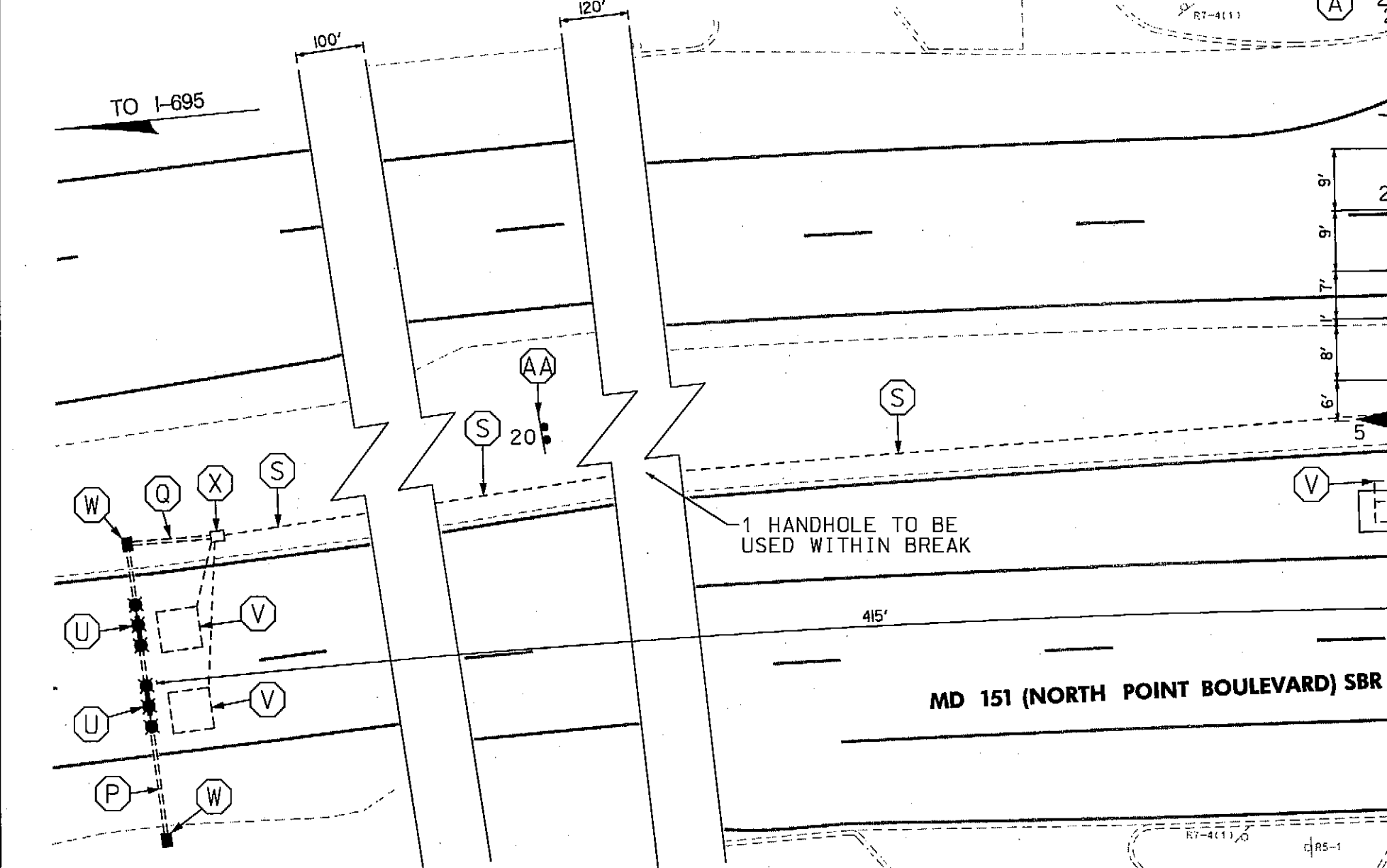


CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION AND 27 FT. STEEL POLE WITH A 70 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS (MAST ARM MOUNTED), VIDEO DETECTION CAMERA (MAST ARM MOUNTED), 20 FT. LIGHTING ARM WITH 280 WATT LED LUMINAIRE AND PHOTOCELL, AND OVERHEAD AND POLE MOUNTED SIGNS. (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- B. INSTALL CONCRETE FOUNDATION AND 27 FT. STEEL POLE WITH A 70 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS (MAST ARM MOUNTED), VIDEO DETECTION CAMERA (MAST ARM MOUNTED), 20 FT. LIGHTING ARM WITH 280 WATT LED LUMINAIRE AND PHOTOCELL, AND OVERHEAD AND POLE MOUNTED SIGNS. (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- C. INSTALL CONCRETE FOUNDATION AND 27 FT. STEEL POLE WITH A 60 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS (MAST ARM MOUNTED AND POLE MOUNTED), VIDEO DETECTION CAMERA (MAST ARM MOUNTED), 20 FT. LIGHTING ARM WITH 280 WATT LED LUMINAIRE AND PHOTOCELL, AND OVERHEAD AND POLE MOUNTED SIGNS. (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- D. INSTALL CONCRETE FOUNDATION AND 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS (MAST ARM MOUNTED), VIDEO DETECTION CAMERA (MAST ARM MOUNTED), 20 FT. LIGHTING ARM WITH 280 WATT LED LUMINAIRE AND PHOTOCELL, AND OVERHEAD AND POLE MOUNTED SIGNS. (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- E. INSTALL CONCRETE FOUNDATION AND NEMA TYPE 'S' BASE MOUNTED CABINET AND CONTROLLER WITH VIDEO DETECTION INTERFACE EQUIPMENT AND ALL ASSOCIATED EQUIPMENT (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE).
- F. INSTALL 100 AMP METERED SERVICE PEDESTAL (1-4 IN. AND 3-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- G. DISCONNECT EXISTING OVERHEAD POWER FEED (TO BE DONE BY OTHERS).
- H. REMOVE EXISTING SIGNAL STRAIN POLE, SPAN WIRE, AND ALL ASSOCIATED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.



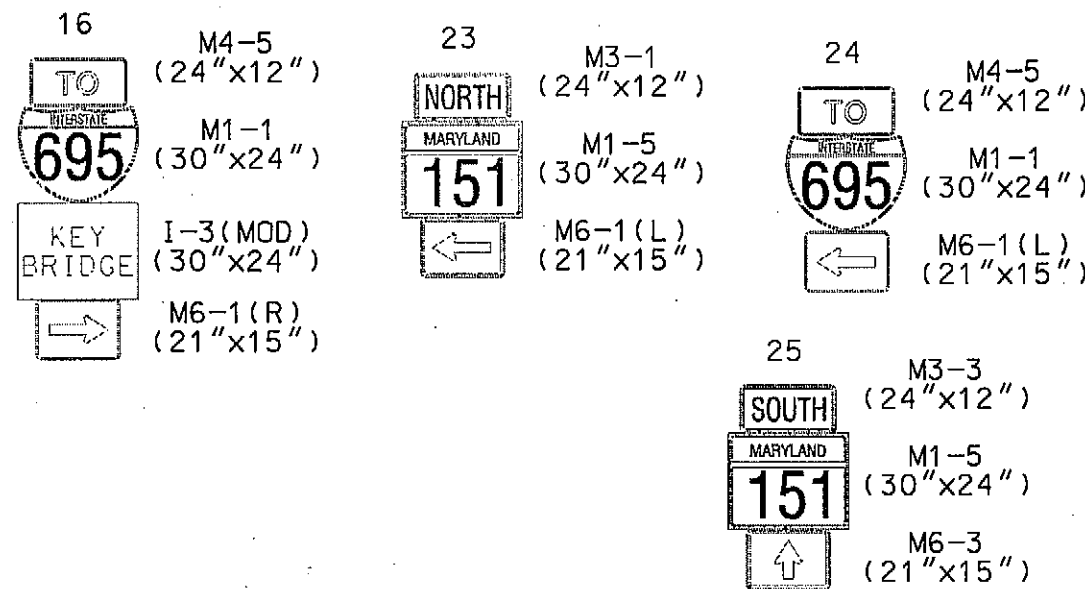
CONSTRUCTION DETAILS (CONTINUED)

- J. REMOVE EXISTING SIGNAL CONTROLLER CABINET. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. NOTIFY SHA SIGNAL SHOP TO REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CABINET.
- K. ABANDON EXISTING MICROLOOP PROBE. REMOVE ALL ASSOCIATED LEAD-IN CABLE.
- L. INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT BGE POLE NO. 367716 FOR USE BY OTHERS.
- M. INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (BORED).
- N. INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (TRENCHED).
- P. INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (BORED).
- Q. INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (TRENCHED).
- R. INSTALL 2 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (TRENCHED).
- S. USE EXISTING CONDUIT.
- T. CAP AND ABANDON EXISTING CONDUIT.
- U. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1000 FT. LEAD-IN CABLE.
- V. ABANDON EXISTING LOOP DETECTOR. REMOVE ALL ASSOCIATED LEAD-IN CABLE.
- W. INSTALL ELECTRICAL HANDHOLE.
- X. USE EXISTING HANDHOLE.
- Y. REMOVE EXISTING HANDHOLE.
- Z. INSTALL GROUND MOUNTED SIGN ON 4"x4" WOOD SUPPORT.
- AA. INSTALL GROUND MOUNTED SIGN ON 2-4"x6" WOOD SUPPORTS (DRILLED).

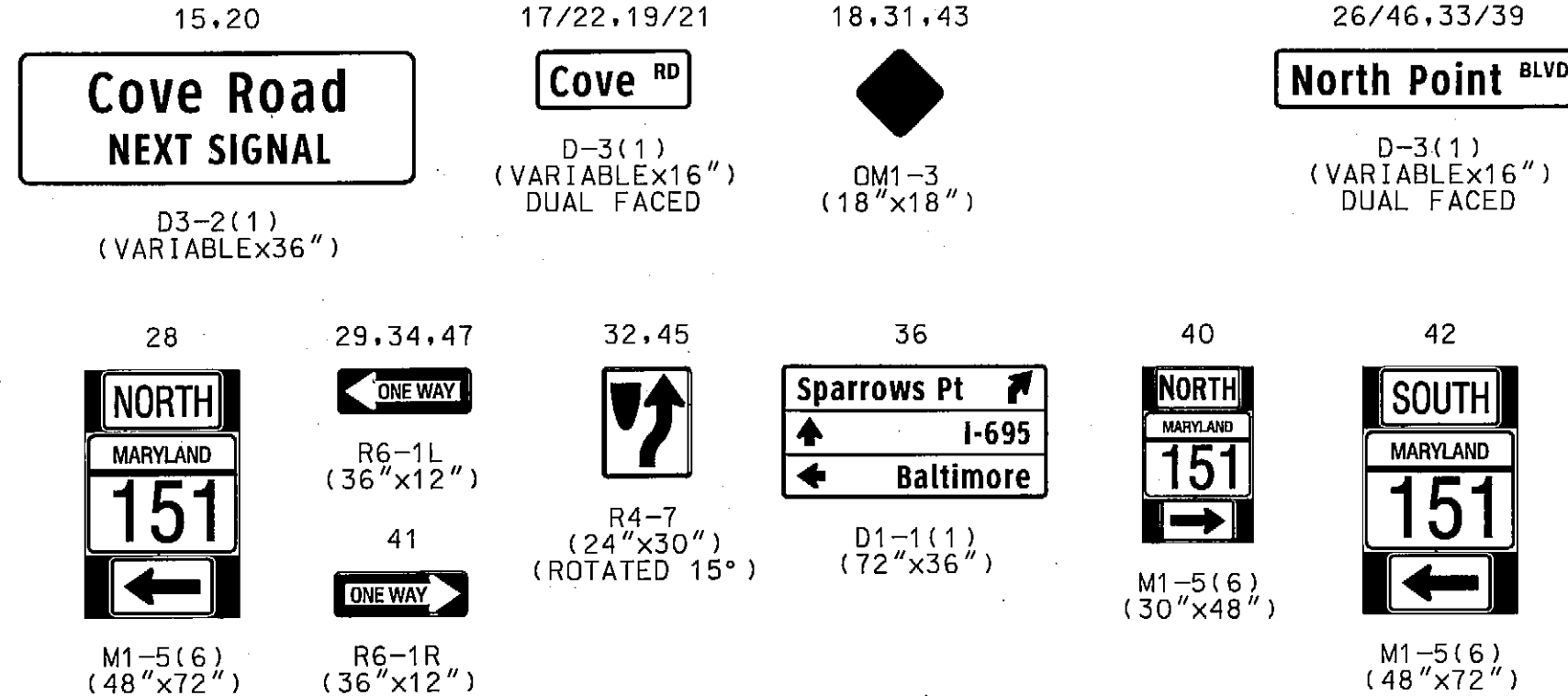
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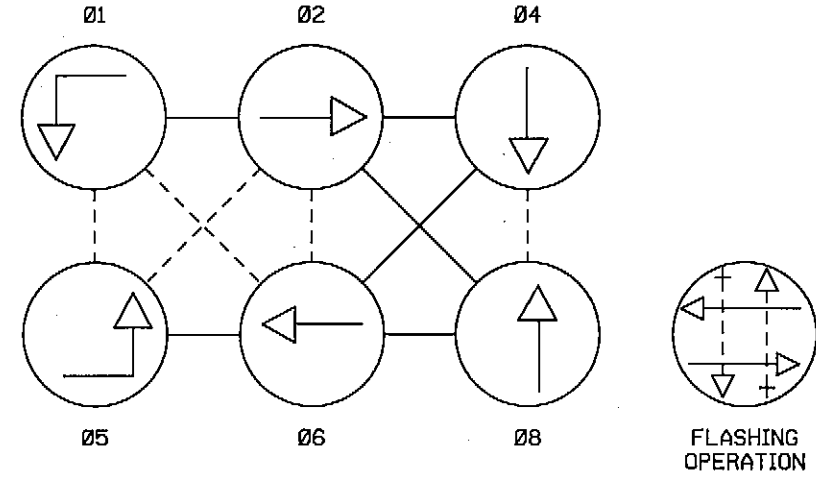
EXISTING SIGNS TO REMAIN



PROPOSED SIGNS



NEMA PHASING

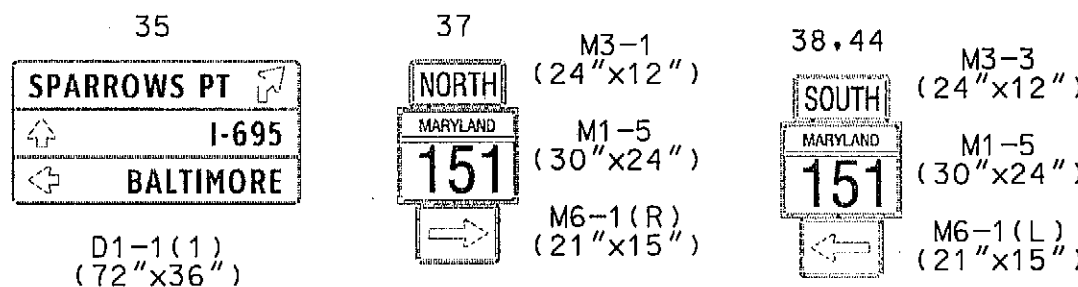


- PHASING NOTES:
- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
 - PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

PROPOSED VIDEO DETECTION CAMERAS

a,b,c,d,e

EXISTING SIGNS TO BE REMOVED



GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- ALL SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL CURB GRADE TO MEET CLEARANCES AS SPECIFIED IN MD 816.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE LOCATIONS AND GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ALL EXISTING TRAFFIC EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- HANDHOLES FOR NONINVASIVE MICROLOOP CONDUIT SHALL BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO THE ROADWAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE. ALL UNUSED SIGNAL CABLE SHALL BE PROPERLY REMOVED AND DISPOSED.
- PHOTOCELL TO BE PROVIDED WITH EACH PROPOSED LUMINAIRE.
- REFER TO DETAIL SHEET NO. 02 FOR CURB RAMP DETAILS AND SIGNAL POLE LOCATIONS.

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

**MD 151 (NORTH POINT BOULEVARD) AT
COVE ROAD/NORTH POINT ROAD
DUNDALK, MARYLAND**

TRAFFIC SIGNALIZATION PLAN

SCALE 1"=20' DATE NOV. 12, 1979 CONTRACT NO. BCS2004-02E

DESIGNED BY COUNTY BALTIMORE

DRAWN BY W. RICHARDSON LOGMILE 03015104.23

CHECKED BY T.I.M.S. NO.

F.A.P. NO. T.O.D. NO.

T.S. NO. 387E SG-01 OF SG-03 SHEET NO. 01 OF 03

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED
UTILITY LEGEND	
---	STORM DRAIN
---	GAS MAIN
---	WATER MAIN
---	SEWER MAIN
---	ELECTRIC CABLES
---	AERIAL CABLES
---	TELEPHONE CABLES
---	FIBER-OPTIC

APPROVALS	
TEAM LEADER	ASST. DIV. CHIEF
ASST. DIV. CHIEF	DIVISION CHIEF
DIVISION CHIEF	OFFICE DIRECTOR

REVISIONS	
RECONSTRUCT TRAFFIC SIGNAL	SHA NO. 062413 TMS NO. 1788
AS BUILT	10-13-08
REPLACE FAILED DETECTION	3-1999
BT	

PLOTTED: Friday, January 25, 2013 AT 06:52 AM
FILE: I:\6212 - lmd\12 (gb 116) - md 151 at cove road\design\engineering\plans\p9SG-P001_T387E.dgn